



Drafts

 BRS: BRS:

Pending

Active

- L1: (163674) "455"/\$.ccls. or "370"/\$.ccls.
- L2: (26890) 1 and (CDMA or "code division multiple access")
- L3: (11) 2 and "unused spreading code"
- L4: (19) 2 and (unused near3 "spreading code")
- L5: (1) 4 and dummy
- L6: (509) 2 and dummy
- L7: (100) 6 and "spreading code"
- L8: (1) 7 and "superimposing unit"
- L9: (1) 7 and "pseudo superimposed signal"
- L10: (1) "pseudo superimposed signal"
- L11: (36) unused near3 "spreading code"
- L12: (1) 11 and dummy
- L13: (5) unused near3 "spreading code".clm.
- L13a: (1) "pseudo superimposed signal".clm.

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United States
Patent Application Publication (or Pub. No.: US 2005/0226187 A1)
Date(s) Pub. Date: Oct. 13, 2005

(1) DEVICE AND METHOD FOR SELECTING CODES

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(3) Appl. No.: 10/613,181

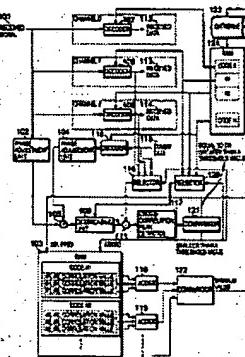
(4) Filing Date: Aug. 2, 2003

Publication Classification

(5) Int. Cl.: G06K 1/22

(6) CL: G06F 1/22

(7) ABSTRACT
According to the present invention, a code selection device selects an unused spreading code, or one of a plurality of



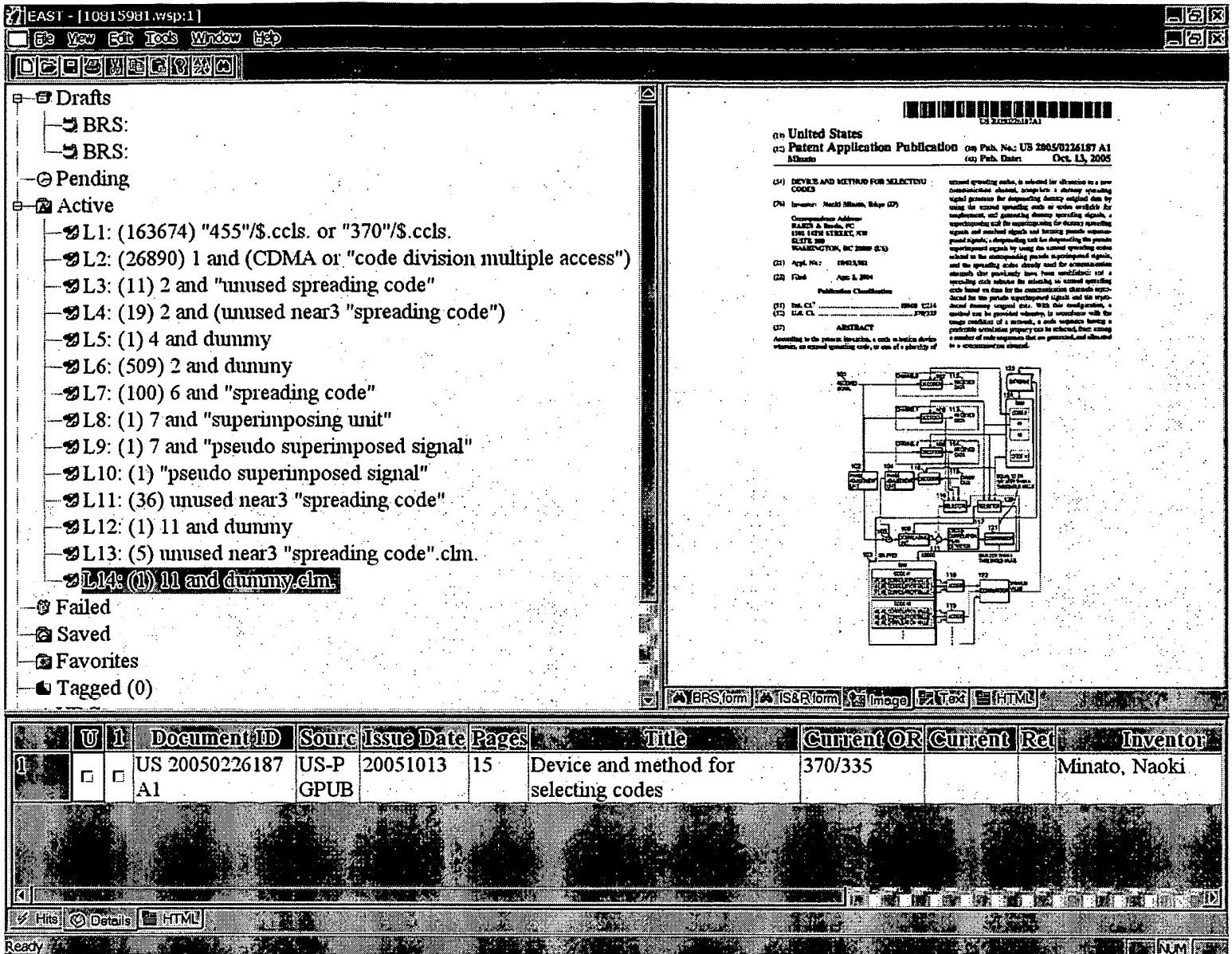
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U	I	Document ID	Source	Issue Date	Pages	Title	Current OR	Current	Ref	Inventor
1		US 20050226187	US-P GPU B	20051013	15	Device and method for selecting codes	370/335			Minato, Naoki

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- L8: (1) 7 and "superimposing unit"

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(1) United States

(2) Patent Application Publication (a) Pub. No.: US 2005/0226187 A1
(b) Pub. Date: Oct. 13, 2005

(54) DEVICE AND METHOD FOR SELECTING CODES

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(21) Appl. No.: 15815981

(22) Filing Date: Apr. 3, 2004

Publication Classification

(51) Int. Cl.: H04B 1/326

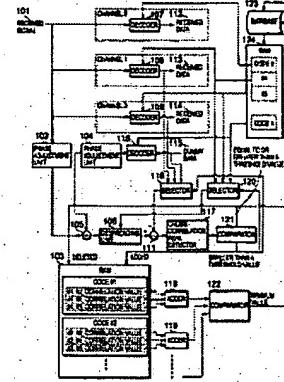
(52) U.S. Cl.: 370/335

(57) ABSTRACT

According to the present invention, a code selection device

wherein, at unused spreading codes, or sets of a plurality of

unused spreading codes, is selected for allocation to a new communication channel, comprises: a channel spreading signal generator for generating channel original data by using the channel spreading code or codes selected for allocation; and a spreading code selector for selecting an unused spreading code among a plurality of spreading codes, and a superimposing unit for superimposing the channel spreading signals and received signals and forming pseudo superimposed signals, a de-spreading unit for de-spreading the pseudo superimposed signals by using the unused spreading code selected; and a channel spreading signal generator for generating channel original data by using the channel spreading code selected, and the spreading code already used for communication channels that previously have been established; and a spreading code selector for selecting an unused spreading code based on data for the communication channel represented by the channel spreading code and the received channel original data. With this configuration, a switch can be provided whereby, in accordance with the usage conditions of a network, a code sequence having a specific code sequence pattern can be selected, from among a number of code sequences that are generated and allocated to a communication channel.



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	U	1	Document ID	Source	Issue Date	Pages	Title	Current OR	Current Ref	Inventor
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20050226187	US-P GPUB	20051013	15	Device and method for selecting codes	370/335		Minato, Naoki

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US 20050226187A1
 United States Patent Application Publication
 Minato

(54) DEVICE AND METHOD FOR SELECTING CODES

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(21) Appl. No.: 10811591

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Publication Classification

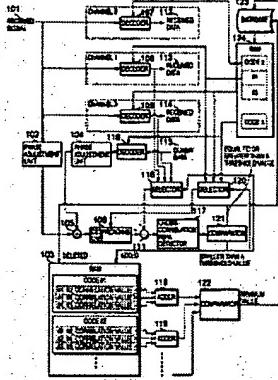
(51) Int. CL': H04B 1/22

(52) U.S. Cl.: 776/205

ABSTRACT

According to the present invention, a code selection device, wherein, in unused spreading codes, or one of a plurality of

unused spreading codes, is selected for allocation as a new communication channel, comprises: a channel spreading signal generator for generating diversity original data by using the unused spreading code or codes selected for spreading, and for generating diversity original data for superimposing said diversity original data for generating the diversity spreading signals and received signals and for mixing pseudo superimposed signals; a de-spreader for de-spreading the pseudo superimposed signals by using the unused spreading codes selected for allocation as a new communication channel, and the spreading codes already used for communication channels that previously have been established; and a spreading code selector for selecting an unused spreading code based on data for the communication channel represented by the channel spreading signal generator for generating the diversity spreading signals. With this configuration, a method can be provided whereby, in accordance with the usage condition of a network, a code sequence having a preferable communication property can be selected from among a number of code sequences that are generated, and allocated to a communication channel.



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	<input type="checkbox"/>	<input type="checkbox"/>	US 20050226187	US-P GPUB	20051013	15	Device and method for selecting codes	370/335			Minato, Naoki

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